

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) Rapid input device, comprising at least one input means ~~(40)~~, at least one input acquisition unit ~~(20)~~ and a computer ~~(30)~~, ~~characterized in that~~ wherein at least one input means ~~(40)~~ by virtue of its position in terms of space defines at least one point ~~(P)~~, whose coordinates are converted into electrical signals in at least one input acquisition unit ~~(20)~~ and, over the passage of time, form at least one data quantity ~~(M)~~ from the points ~~(P)~~ and thus [form] the input, ~~that~~ and wherein at least one input acquisition unit ~~(20)~~ is connected ~~(25)~~ with the computer ~~(30)~~ and ~~that~~ means are provided in the computer for data processing of at least one data quantity ~~(M)~~.

2. (Currently Amended) Rapid input device according to Claim 1, ~~characterized in that~~ wherein the connection ~~(25)~~ of the input acquisition unit ~~(20)~~ to the computer ~~(30)~~ is accomplished in a wireless manner or via a cable.

3. (Currently Amended) Rapid input device according to Claim 1 ~~or 2~~, ~~characterized in that~~ wherein input elements are provided for input in eight directions, whereby the input elements are located in one stroke level.

4. (Currently Amended) Rapid input device according to Claim 3, ~~characterized in that~~ wherein gradual input elements are provided perpendicularly to the stroke level.

5. (Currently Amended) Rapid input device according to ~~one of Claims 1 to 4,~~
~~characterized in that~~ Claim 1, wherein the input is provided in a gradual manner as a
function of a stroke length.

6. (Currently Amended) Rapid input device according to Claim 3, ~~characterized in~~
~~that~~ wherein input elements are provided in eight directions, whereby one of the eight
directions is associated with each vowel.

7. (Currently Amended) Rapid input device according to Claim 3, ~~characterized in~~
~~that~~ wherein input elements are provided in eight directions, whereby one of the eight
directions is associated with up to eight selected consonants.

8. (Currently Amended) Rapid input device according to Claim 3, ~~characterized in~~
~~that~~ wherein input elements are provided in eight directions, whereby one of the eight
directions is associated with a blank tap.

9. (Currently Amended) Rapid input device according to Claim 3, ~~characterized in~~
~~that~~ wherein an unlimited combination of input elements are provided in eight directions for
rapid input.

10. (Currently Amended) Rapid input device according to Claim 3, ~~characterized in~~
~~that~~ wherein input elements are provided in eight directions and their combinations, whereby
functions of a computer are associated with each of these eight directions or their
combinations.

11. (Currently Amended) Rapid input device according to ~~one of Claims 1, 2, 4 or 5,~~
~~characterized in that~~ Claim 1, wherein input elements are provided in at least nine directions

and their combinations, whereby functions of a computer are associated with each of these nine directions or their combinations.

12. (Currently Amended) Rapid input device according to Claim 1 ~~or 2~~, characterized ~~in that~~ , wherein input elements are provided in an X/Y field of the input surface (22) of the input acquisition unit (20) for execution, whereby X/Y coordinates – to each of which a function is associated – correspond to the execution position.

13. (Currently Amended) Rapid input device according to Claim 10 ~~or 14~~, characterized ~~in that~~ , wherein the functions are the dimensioning and shifting of menu windows and the zooming and scrolling in menu windows.

14. (Currently Amended) Rapid input device according to Claim 10, characterized ~~in that~~ wherein the functions involve the canceling and restoration of inputs.

15. (Currently Amended) Rapid input device according to Claim 10, characterized ~~in that~~ wherein the functions for screen adjustments are as follows: BRIGHTER, DARKER, REDDER, GREENER, BLUER.

16. (Currently Amended) Rapid input device according to Claim 10, characterized ~~in that~~ wherein the functions are: COPY, PASTE, CUT, CLEAR, CURSOR UP, CURSOR DOWN, CURSOR LEFT, CURSOR RIGHT, CONTROL, ALT, ALT GR, FUNCTION, OPTION, ESCAPE, OPEN, CLOSE, SHIFT, RETURN, DELETE, F1 to F12; for windows: MINIMIZING, MAXIMIZING, RESTORING, CLOSING and for dialog windows: YES, NO, ABORT, CHANGE.

17. (Currently Amended) Rapid input device according to Claim 10 ~~or 16~~,
~~characterized in that~~ wherein the functions are first executed ready [complete] when they are
closed with a blank tap.

18. (Currently Amended) Rapid input device according to Claim 10, ~~characterized in~~
~~that~~ wherein the functions in a player and recorder unit involve: PLAY, PAUSE, STOP,
RECORD, FORWARD, BACKWARD, NEXT TRACK, PREVIOUS TRACK, FIRST TRACK,
LAST TRACK and VOLUME.

19. (Currently Amended) Rapid input device according to Claim 10 ~~or 11~~,
~~characterized in that~~ wherein the functions involve PAGE UP, PAGE DOWN, HOME, END,
INSERT, SHIFT, BACKSPACE, RETURN, DELETE; flush left, flush right, centered, grouped
style, tabulator.

20. (Currently Amended) Rapid input device according to Claim 10 ~~or 11~~,
~~characterized in that~~ wherein the functions for color parts are as follows: black, white,
transparent, red/magenta, blue/cyano, yellow/yellow; for object: line, solidity, text; rotating
around each axis, nearer, farther; and for lines: type, thick, thin, normal, thicker, thinner.

21. (Currently Amended) Rapid input device according to Claim 10 ~~or 11~~,
~~characterized in that~~ wherein the functions are the attributes of a sound data file and that
the functions are provided for their processing.

22. (Currently Amended) Rapid input device according to Claim 10 ~~or 11~~,
~~characterized in that~~ wherein the functions are provided for the match-up of data files for
the purpose of processing attributes.

23. (Currently Amended) Rapid input device according to ~~one of Claims 1-22,~~
~~characterized in that~~ Claim 1, wherein the input can be influenced by muscular movements.

24. (Currently Amended) Rapid input device according to ~~one of Claims 1-23,~~
~~characterized in that~~ Claim 1, wherein at least one point (P) has coordinates (x, y, z, t).

25. (Currently Amended) Rapid input device according to ~~one of Claims 1-24,~~
~~characterized in that~~ Claim 1, wherein the input means (10) is at least an object, preferably
at least a stylus whose tip defines at least one point $P(x, y, z, t)$.

26. (Currently Amended) Rapid input device according to ~~one of Claims 1-25,~~
~~characterized in that~~ Claim 1, wherein the input means (10) is at least a finger that defines at
least one point $P(x, y, z, t)$.

27. (Currently Amended) Rapid input device according to ~~one of Claims 1-25,~~
~~characterized in that~~ Claim 1, wherein the input means (10) is at least a finger or a set of
fingers and an object, preferably a stylus, whose tip defines the point $P(x, y, z, t)$.

28. (Currently Amended) Rapid input device according to ~~one of Claims 1-27,~~
~~characterized in that~~ Claim 1, wherein the input means (10) are the fingers of a hand, a nose
or a toe, which define at least one point $P(x, y, z, t)$.

29. (Currently Amended) Rapid input device according to ~~one of Claims 1-28,~~
~~characterized in that~~ Claim 1, wherein the input means (10) is a finger provided with a
thimble, whereby the tip of the thimble defines the point $P(x, y, z, t)$.

30. (Currently Amended) Rapid input device according to ~~one of Claims 1-29,~~
~~characterized in that~~ Claim 1, wherein the input means (40) is an object, preferably a stylus,
and a connecting part (40), whereby the latter is connected mechanically with the input
acquisition unit (20) and defines the point $P(x, y, z, t)$.

31. (Currently Amended) Rapid input device according to Claim 30, ~~characterized in~~
~~that~~ wherein the input acquisition unit (20) has at least two lever arms (41, 41'), which are
movably connected with each other by at least two joints (43, 44) containing a total of at
least three protractors, whereby one of them is housed in a platform (27) in which the
particular position of point $P(x, y, z, t)$ of the connecting part (40) is acquired.

32. (Currently Amended) Rapid input device according to Claim 31, ~~characterized in~~
~~that~~ wherein of at least the two joints (43, 44), one of them permits movements around an
axis, while the other one permits movements around two axes, as a result of which, point
 $P(x, y, z, t)$ can assume every position within a hemisphere that is clamped on by the sum of
the lengths of the lever arms (41, 41').

33. (Currently Amended) Rapid input device according to ~~one of Claims 31-32,~~
~~characterized in that~~ Claim 31, wherein electric motors are provided for the joints (43, 44) of
the input acquisition unit (20) via which the joints are driven, as a result of which, there is or
there results a "force feedback" function.

34. (Currently Amended) Rapid input device according to ~~one of Claims 1-25,~~
~~characterized in that~~ Claim 1, wherein the input acquisition unit (20) is present in a manner
integrated in the input means (40) and is equipped with at least three accelerometers (29)
that are provided to determine the coordinates of point (P).

35. (Currently Amended) Rapid input device according to ~~one of Claims 1-25,~~
~~characterized in that~~ Claim 1, wherein the input acquisition unit (20) has a dynamometer (32)
that is mounted in a fixed manner in the input surface (22), ~~that~~ wherein the dynamometer
(32) has a shaft (33) with guide part (35) attached thereupon, and ~~that~~ wherein a stylus (10)
is provided as input means whose tip (11) is moved in the guide part (35), as a result of
which, these movements are provided to determine the coordinates of a point (P).

36. (Currently Amended) Rapid input device according to ~~one of Claims 1-25,~~
~~characterized in that~~ Claim 1, wherein the input acquisition unit (20) has at least one
dynamometer (32) that is mounted in a fixed manner on the input surface (22), ~~that~~ wherein
at least one dynamometer (32) has a shaft (33) with additional guide part (36) that is
attached thereupon, and ~~that~~ wherein at least one finger (10) is provided as input means
whose tip rests on the additional guide part (36), as a result of which the movements of at
least one finger are provided to determine the coordinates of point (P).

37. (Currently Amended) Rapid input device according to ~~one of Claims 1-25,~~
~~characterized in that~~ Claim 1, wherein the input acquisition unit (20) has a dynamometer (32)
and at least one key (28) and ~~that~~ wherein, as input means (10), there are provided at least
one finger or a finger and an object, preferably a stylus, whereby the movements of the input
means (10) are provided to determine the coordinates of at least one point (P).

38. (Currently Amended) Rapid input device according to ~~one of Claims 35-37,~~
~~characterized in that~~ Claim 35, wherein the dynamometer (32) is made in the form of a mini-
joystick.

39. (Currently Amended) Rapid input device according to ~~one of Claims 1-26,~~
~~characterized in that~~ Claim 1, wherein the input acquisition unit has at least two cameras

(20, 20', 20''), preferably infrared cameras, and that wherein a finger (10) is provided as input means, whereby the movements of the finger are provided to determine the coordinates of point (P).

40. (Currently Amended) Rapid input device according to ~~one of Claims 1-25,~~ characterized in that Claim 1, wherein the input acquisition unit (20) has at least three ultrasound receiver modules (~~39, 39', 39''~~) and that wherein as input means (10), there is provided an object, preferably a stylus with an integrated ultrasound transmitter module (~~38~~), whereby the movements of the input means (10) are provided to determine the coordinates of point (P).

41. (Currently Amended) Rapid input device according to Claim 25, ~~characterized in that~~ wherein the object, preferably a stylus, is provided for the guidance of hand, arm, mouth or foot.

42. (Currently Amended) Rapid input device according to ~~one of Claims 1-23,~~ characterized in that Claim 1, wherein at least one point (P) displays coordinates (x, y, t).

43. (Currently Amended) Rapid input device according to ~~one of Claims 1-23,~~ characterized in that Claim 1, wherein the input means (10) is at least an eye, whereby the latter's pupil defines the point $P(x, y, t)$.

44. (Currently Amended) ~~Use of~~ In combination the rapid input device according to ~~one of Claims 1-43 for~~ Claim 1 with a writing unit, in particular, a rapid writing unit.

45. (Currently Amended) ~~Use of~~ In combination the rapid input device according to ~~one of Claims 1-43~~ Claim 1 in a rehabilitation system.

46. (Currently Amended) ~~Use of~~ In combination the rapid input device according to ~~one of Claims 1-43 for~~ Claim 1 with a computer work.

47. (Currently Amended) ~~Use of~~ In combination the rapid input device according to ~~one of Claims 1-43 as part of~~ Claim 1 and an electronic musical instrument.

48. (Currently Amended) ~~Use of~~ In combination the rapid input device according to ~~one of Claims 1-43 as part of~~ Claim 1 and an electronic drawing unit.

49. (Currently Amended) ~~Use of~~ In combination the rapid input device according to ~~one of Claims 1-43~~ Claim 1 as a universal input device and a system.

50. (Currently Amended) Process for the operation of a rapid input device according to ~~one of Claims 1-43, characterized in that~~ Claim 1, wherein coordinates of at least one point (P) are generated with at least one input means (10) in at least one input acquisition unit (20), ~~that wherein~~ the coordinates are converted into electrical signals in the input acquisition unit (20), ~~that wherein~~ at least one data quantity (M) is formed by the electrical signals over the passage of time, which [quantity] is transmitted to the computer (30) in a wireless manner or via a cable connection, and ~~that wherein~~ the data quantity (M) is processed in computer (30) with the data processing means and is kept available for the output means.

51. (Currently Amended) Process according to Claim 50, ~~characterized in that~~ wherein with an object, preferably a stylus, or with at least one finger as input means (10), the input takes place via at least one key (28), via at least one dynamometer (32), via at least three protractors, via at least three accelerometers (29), via a touch-sensitive input

surface (22) and/or via at least one ultrasound transmitter module (38), whereby coordinates of at least one point (P) are generated in at least input acquisition unit (20).

52. (Currently Amended) Process according to Claim 50, ~~characterized in that~~
wherein the position of the pupils (12, 12') is acquired by one or two cameras (20, 20') as input acquisition unit in the form of an image using one eye or both eyes (10, 10') as input means, whereby coordinates of at least one point